

Converting Colors

$Yxy(40.3559, 0.2720, 0.3486)$

Have a look what the booklet for
Yxy(40.3559, 0.2720, 0.3486)
contains.

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Color

Yxy(40.2097, 0.2716, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	76B6AA
RGB	118, 182, 170
RGB Percent	46%, 71%, 67%
CMY	0.5373, 0.2863, 0.3332
CMYK	0.35, 0.00, 0.07, 0.29
HSL	169°, 30%, 59%
HSV	169°, 35%, 71%
XYZ	31.4544, 40.2097, 44.1473
YIQ	161.4960, -34.2920, -17.3000

Conversions

Conversions Part 2

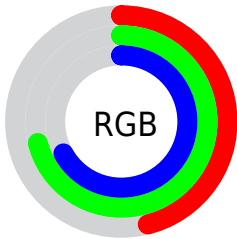
Format	Color
RYB	118, 153, 182
Decimal	7780010
CIELab	69.62, -23.20, -0.41
CIElCh	70, 23.202, 181.012
Yxy	40.2097, 0.2716, 0.3472
Android (android.graphics.Color)	4285970090 (0xFF76B6AA)
YUV	161.4960, 4.1925, -38.1460
Hunter-Lab	63.4111, -22.4266, 3.1097

Details

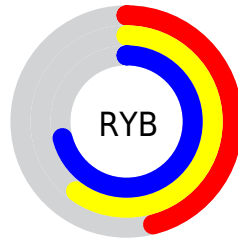
The Yxy color $40.2097, 0.2716, 0.3472$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $24.5076, 0.3792, 0.3119$, and the grayscale version is $35.8747, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.3560, 0.2792, 0.3440$, and $18.1668, 0.2597, 0.3529$ is the 20% darker color. If you saturate the color by 10%, you get $38.9308, 0.2623, 0.3533$, and if you desaturate by 10%, it is $41.7411, 0.2822, 0.3415$.

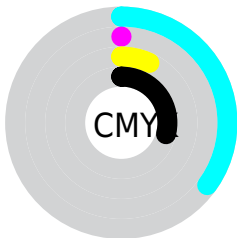
Distribution



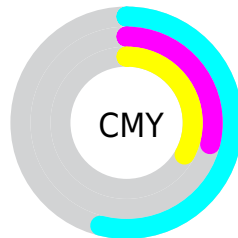
- Red (46%)
- Green (71%)
- Blue (67%)



- Red (46%)
- Yellow (60%)
- Blue (71%)



- Cyan (35%)
- Magenta (0%)
- Yellow (7%)
- Black (29%)



- Cyan (54%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2097, 0.2716, 0.3472 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 40.2097, 0.2716, 0.3472 by changing the saturation by 10% instead.


 40.2097, 0.2716,
0.3472


 40.2097, 0.2716,
0.3472


347.0066, 0.2926,
0.3380


 27.7021, 0.2662,
0.3496


 75.4827, 0.2793,
0.3438

 18.1012, 0.2593,
0.3526


 99.0169, 0.2822,
0.3425

 11.0227, 0.2498,
0.3567


 126.9955, 0.2846,
0.3415

 6.0821, 0.2365,
0.3626

159.8027, 0.2867,
0.3406

 2.8951, 0.2160,
0.3714

197.8230, 0.2884,
0.3398

 1.0772, 0.1634,
0.3947

241.4409, 0.2900,

 0.0000, 0.0000,

0.3391

0.0000

291.0406, 0.2914,
0.3385

■ 40.2097, 0.2716,
0.3472

■ 40.2097, 0.2716,
0.3472

■ 38.9308, 0.2623,
0.3533

■ 41.7411, 0.2822,
0.3415

■ 37.8851, 0.2544,
0.3596

■ 43.5330, 0.2938,
0.3362

■ 37.0588, 0.2484,
0.3662


■ 45.5994, 0.3061,
0.3313


■ 36.4341, 0.2442,
0.3729


■ 47.9516, 0.3189,
0.3269

■ 35.9908, 0.2419,
0.3797


■ 50.6004, 0.3319,
0.3230


 35.7039, 0.2414,
0.3863

 53.5558, 0.3449,
0.3195

 35.5949, 0.2415,
0.3895

 56.8277, 0.3577,
0.3164

 58.7613, 0.3629,
0.3133

 58.9195, 0.3600,
0.3098

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.2097, 0.3015, 0.3759



40.2097, 0.2716, 0.3472



40.2097, 0.2531, 0.3144

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.2097, 0.2716, 0.3472



40.2097, 0.2876, 0.2750



40.2097, 0.3798, 0.3651

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.2097, 0.2716, 0.3472



24.5076, 0.3792, 0.3119

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.2097, 0.3762, 0.3381



40.2097, 0.2716, 0.3472



40.2097, 0.3213, 0.2879

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.2097, 0.2716, 0.3472



40.2097, 0.2619, 0.2747



40.2097, 0.3543, 0.3105



40.2097, 0.3645, 0.3847

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.2097, 0.2716, 0.3472



40.2097, 0.2491, 0.2958



40.2097, 0.3543, 0.3105



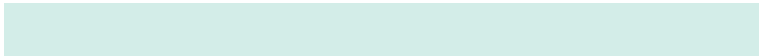
40.2097, 0.3808, 0.3566

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.2113, 0.2716, 0.3472



80.3551, 0.2987, 0.3342



39.5734, 0.3183, 0.4296



17.6389, 0.2970, 0.3349



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2113, 0.2716, 0.3472



71.1092, 0.2644, 0.3517



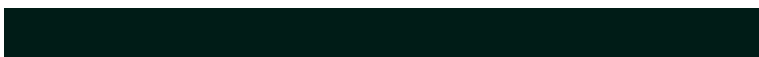
33.3498, 0.2599, 0.2991



10.1810, 0.3009, 0.3333



25.1443, 0.2413, 0.3888



0.8940, 0.2366, 0.3716

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.5076, 0.3792, 0.3119



38.4839, 0.4007, 0.3083



29.1972, 0.3853, 0.3568



9.0389, 0.3259, 0.3247



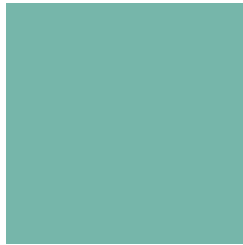
7.1123, 0.6081, 0.3124



0.2591, 0.5404, 0.2751

Previews

White Background



This preview shows how the Yxy color 40.2097, 0.2716, 0.3472 looks on a white background.

Color Contrast Check

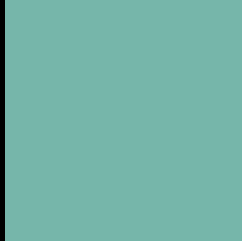
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 40.2097, 0.2716, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

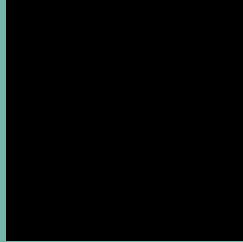
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2097, 0.2716, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 40.2097, 0.2716, 0.3472.

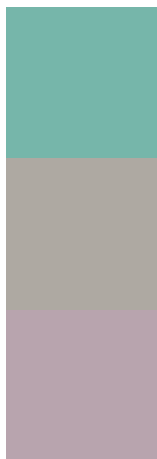


This preview shows how white text looks on a background with the Yxy color 40.2097, 0.2716, 0.3472.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.2097, 0.2716, 0.3472

Protanopia

39.9832, 0.3233, 0.3387

Deuteranopia

39.7973, 0.3227, 0.3157



Tritanopia

40.3014, 0.2596, 0.3084

Trichromacy



Original Color

40.2097, 0.2716, 0.3472

Protanomaly

39.8587, 0.3025, 0.3420

Deuteranomaly

39.6165, 0.3013, 0.3261

Tritanomaly

40.2102, 0.2635, 0.3214

Monochromacy



Original Color

40.2097, 0.2716, 0.3472

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.0760, 0.2955, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2097, 0.2716, 0.3472 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(118, 182, 170)` looks like.

```
.text, #text, p{  
    color:rgb(118, 182, 170)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(118, 182, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 182, 170) }
```

Border

The CSS property to change the border of an element to Yxy 40.2097, 0.2716, 0.3472 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 182, 170) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(118, 182, 170) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(118, 182, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 182, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 182, 170);  
box-shadow:4px 4px 4px 4px rgb(118, 182,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2097, 0.2716, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 182, 170) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(118,  
182, 170) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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